

In the Claims

Claims 1, 4, 7-9, 12, 15-18, 21, 24-25 and 32-40 have been cancelled without prejudice.

Claims 1-40 (Cancelled)

41. (Previously Presented) A method for analyzing a biological sample, said method comprising the steps of:

placing a sol gel monolith that has pores formed therein which have an average diameter in the range of 30-400 angstroms into an electrophoresis apparatus;

pouring a buffer into the electrophoresis apparatus to immerse the sol gel monolith;

inserting the biological sample into the sol gel monolith; and

applying power to the sol gel monolith such that molecules of the biological sample migrate within at least a portion of the plurality of pores formed within the sol gel monolith.

42. (Previously Presented) The method of Claim 41, further comprising the steps of:

staining the biological sample; and

photographing the sol gel monolith to have a record of the migrated molecules of the biological sample.

43. (Previously Presented) The method of Claim 41, wherein said molecules are proteins or nucleic acids.

44. (Previously Presented) The method of Claim 41, wherein said sol gel monolith is made by using an acid catalyzed hydrolysis process.